

INFORMATION REDACTED PER

## CONFIGURATION REPORT

Vehicle [REDACTED]

Odometer 29307.3 miles  
Publication Date [REDACTED]

### ECU SUMMARY INFO

| ECU   | NAME                               | ECU ID     | ECU PART # | ORIGINAL VIN          | PART #     |
|-------|------------------------------------|------------|------------|-----------------------|------------|
| TCM   | Transmission Control Module        | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| PCM   | Powertrain Control Module          | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| ICS   | Integrated Center Stack            | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| RFH   | Radio Frequency Hub                | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| ESM   | Electronic Shifter                 | [REDACTED] | [REDACTED] | 2015_LA_NO [REDACTED] | [REDACTED] |
| DTCM  | Drive Train Control Module         | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| ORC   | Occupant Restraint                 | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| EPS   | Electric Power Steering            | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| HVAC  | Heat, Ventilation and A/C          | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| CSWM  | Comfort Seat Wheel Module          | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| AMP   | Amplifier                          | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| IPC   | Instrument Panel Cluster           | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| SCCM  | Steering Column Control Module     | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| BCM   | Body Controller                    | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| RADIO | Radio                              | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| OCM   | Occupant Classification            | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| BPCM  | Battery Pack Control Module        | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| HCP   | Hybrid Control Processor           | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |
| AHCP  | Auxiliary Hybrid Control Processor | [REDACTED] | [REDACTED] | [REDACTED]            | [REDACTED] |

(B)(6)

ABSO Anti Lock Brakes

Charge Module

### ECU SUMMARY INFO (CONT...)

| ECU  | COUNTRY CODE        | HARDWARE VERSION | SOFTWARE VERSION | IDENT | SERIAL NUMBER | INS |
|------|---------------------|------------------|------------------|-------|---------------|-----|
| TCM  |                     |                  |                  |       |               |     |
| PCM  |                     |                  |                  |       |               |     |
| ICS  |                     |                  |                  |       |               |     |
| RFH  | /                   |                  |                  |       |               |     |
| ESM  |                     |                  |                  |       |               |     |
| DTCM |                     |                  |                  |       |               |     |
| ORC  |                     |                  |                  |       |               |     |
| EPS  |                     |                  |                  |       |               |     |
| HVAC |                     | 13 20 00         |                  |       |               |     |
| CSWM |                     | 2A 00            |                  |       |               |     |
| AMP  |                     |                  |                  |       |               |     |
| IPC  |                     | 2C 00            |                  |       |               |     |
| SCCM |                     |                  |                  |       |               |     |
| BCM  |                     | 0D 11            |                  |       |               |     |
|      |                     |                  |                  |       |               |     |
|      |                     |                  |                  |       |               |     |
| BPCM | Rest of world / ROW |                  |                  |       |               |     |
| HCP  |                     |                  |                  |       |               |     |
| AHCP |                     |                  |                  |       |               |     |
| ABSO |                     |                  |                  |       |               |     |
| SGW  |                     |                  |                  |       |               |     |
| DPDM |                     |                  |                  |       |               |     |
| IDCM |                     |                  |                  |       |               |     |

### CONFIGURATION

#### TCM CONFIGURATION

| NAME                                      | VALUE | UNITS |
|-------------------------------------------|-------|-------|
| Autostick/ERS On/Off Switch Equipped      |       |       |
| Paddle-Shift Switches Equipped            |       |       |
| Shifter with Sport Mode Position Equipped |       |       |
| Shifter with Low Mode Position Equipped   |       |       |

Sport Mode Switch or Virtual Switch (Non-Terrain) Equipped

Overdrive Off or Tow Haul Mode Switch or Virtual Switch (Non-Terrain) Equipped

ECO/Optimizer Switch Equipped

ERS/Autostick/Tip Non-paddle on Steering Wheel equipped

ERS/Autostick/Tip Non-paddle on Shifter in D position equipped

ERS/Autostick/Tip Non-paddle on Shifter in A or M position equipped

FFV Equipped

RWD Equipped

AWD Equipped

4WD with switchable Lo Range equipped

Engine Start/Stop Equipped

Polystable E-shift (Cableless without return-to-center) equipped

Long Learn Enabled

Short Learn Enabled

## PCM CONFIGURATION

| NAME                                              | VALUE | UNITS |
|---------------------------------------------------|-------|-------|
| AC Equipped                                       |       |       |
| AC Equipped Over Bus                              |       |       |
| Power Steering Switch Equipped                    |       |       |
| Integrated Cruise Control                         |       |       |
| EMAT (Getrag DCT transmission) Equipped           |       |       |
| Vehicle Speed Sensor #1 Calculated from CAN       |       |       |
| Police Package Equipped                           |       |       |
| Unleaded Gasoline Fuel                            |       |       |
| Unleaded diesel fuel                              |       |       |
| V8 Engine                                         |       |       |
| 4 Speed Automatic Transmission Equipped           |       |       |
| Electronic Automatic Transmission (EATX) Equipped |       |       |
| Vehicle Speed Sensor #1 Calculated by ECU         |       |       |
| V8 Engine                                         |       |       |
| V8 Engine                                         |       |       |
| V8 Engine                                         |       |       |
| Sensorless FFV Enabled                            |       |       |
| Electronic Throttle Control Equipped              |       |       |
| Engine                                            |       |       |
| 4.0 Liter I6 Engine                               |       |       |
| Engine                                            |       |       |
| Engine                                            |       |       |
| Engine                                            |       |       |
| Engine                                            |       |       |
| V6 Engine                                         |       |       |

2.7 Liter V6 Engine

Solenoid Equipped

Equipped

Turbocharger Equipped

SRV Equipped

Secondary Air Equipped

SMI Indicator Lamp Equipped

Barometric Sensor Equipped

TIP Equipped

Battery Temp Sensor Equipped

Knock Sensor 1 Equipped

Knock Sensor 2 Equipped

Variable Valve Timing Equipped

Clutch Interlock Switch Equipped

ESIM Equipped

Linear Purge Equipped

Linear EGR Equipped

Continuous Variable Transmission Equipped

Direct Injection Equipped

Secondary Fuel Pump Equipped

Electronic Coolant Pump Equipped

O2 Sensor Bank 1 Sensor 1 Equipped

O2 Sensor Bank 1 Sensor 2 Equipped

Sensor Bank 1 Sensor 3 Equipped

O2 Sensor Bank 2 Sensor 1 Equipped

Sensor Bank 2 Sensor 2 Equipped

Variable Displacement AC Equipped

Fixed displacement AC Equipped

Intake Flow Control Valve Equipped

Electric Coolant Valve Equipped

Engine Oil Heater Cooler Equipped

Transmission Oil Heater Equipped

Electric Water Pump Equipped

Rear Heater Equipped

Starter Relay 2 Equipped

Inrush Current Reduction Relay Equipped

Active Grille Shutter Equipped

Electronic Vacuum Pump Equipped

Wide Range O2 Sensor Equipped

Wide Range O2 Sensor Equipped

MultiAir Equipped

Engine Stop Start Equipped

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)



Viscosity Sensor Equipped  
 Duty Cycle Purge Valve Equipped  
 Electric Thermostat Heater Equipped  
 Exhaust Cam 1 Equipped

Intake Cam 1 Equipped

WI4 engine

WI4 engine

WI4 engine

Engine

Tumble Generator Valve Equipped

Hybrid Electric Vehicle Equipped

Auxiliary Heater Electric Water Pump Equipped

Dual Speed Fuel Pump Equipped

Exhaust Cam 2 Equipped

Intake Cam 2 Equipped

1 Speed Fan Mechanical Relay System Equipped

2 Speed Fan Mechanical Relay System Equipped

2 Speed Fan PWM Relay System Equipped

Linear PWM Fan Relay System Equipped

PWM Fan Motor System Equipped

3 Speed Fan Mechanical Relay System Equipped

Fan Wake Up Relay System Equipped

2 Speed Fan 3 Relay System Equipped

/

/ /

/

VLP Is Learnable Indicator

VLP Equipped Indicator

VFS Actuators Available Indicator

ERS Equipped Indicator

Engine Software In Package

Transmission Software Included

ICC Cruise Equipped

ETC Cruise equipped

Adaptive Cruise Control Equipped

A/C Equipped

Adaptive Cruise Control Hardware Equipped

DUAL\_ALTERNATOR\_GEN1\_LEARNEDCOPY

TOOLCONFIG\_OIL\_PRESS\_ABS\_EQUIPPED

GPEC2 Equipped

INFORMATION DELETED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Equipped  
 Equipped  
 Cummins Equipped  
 Equipped  
 VMM Equipped  
 Powernet Equipped  
 CUSW ( ) Equipped  
 CUSW ( ) Equipped  
 Equipped  
 Next Gen Bus Equipped  
 Constant Heater Temperature Control Valve Equipped  
 High Side Port Tumble Valve Equipped  
 CMCV Equipped  
 Turbine Volute Valve Actuator Equipped  
 H- Equipped  
 Active Exhaust Valve Equipped  
 Active Exhaust Pressure Sensor Equipped  
 Engine Idle Shutoff Equipped  
 Aisin RWD Transmission Equipped  
 Cooled EGR Equipped  
 Supercharger Equipped  
 Low Temperature Radiator Coolant Pump Equipped  
 Mechanical Coolant Pump Heater Equipped  
 Auxiliary Coolant Pump Heater Equipped  
 Compressed Natural Gas Equipped  
 CUSW PROXI Write Programming Support Enabled  
 Active Engine Mount Equipped  
 ZF 9 Transmission Equipped  
 HPT Transmission Equipped  
 Variable Speed Fuel Pump Equipped  
 Operator Idle Speed Request Equipped  
 PTO System Equipped  
 Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped  
 Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped  
 Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped  
 Dual Stage Oil Pump Equipped  
 Auxiliary Coolant Pump Equipped  
 Trans Skip Shift Equipped  
 Trans Reverse Lockout Equipped  
 Port Flap Valve Equipped  
 Brushless PWM Fan Equipped  
 V8 Engine

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Primary Lin Alternator Equipped

Coolant On-Off Pump Equipped

Oil Pressure Sensor Enabled

VIN Learning Strategy Equipped

Dual Fuel Tank Equipped

Yaw Rate Sensor ESC Equipped

I3 Engine

Coolant On-Off Valve Equipped

Buffered Crank Output for ANC (Active Noise Cancellation) Equipped

Buffered Crank Output for PHEV Engine Pulse Calculation Equipped

Throttle Inlet Temp Sensor Equipped

Dual Fuel Pressure Sensor Equipped

Brake Pedal Sensor Equipped

PTO System Equipped

Low Temp Radiator Coolant Pump Equipped

A/C Relay Powered from Engine Switched Battery

CNG Large Gas Tank Equipped

Cooled EGR Equipped

Supercharger Equipped

Hybrid MEC Shifter Equipped

Dual Alternator Capable

Auxillary Coolant Pump Equipped

ZF 9- Trans Equipped

HPT 6- Trans Equipped

CUSW Cruise Equipped

Power Steering Angle Sensor Mandatory

Throttle Inlet Temp Sensor Equipped

LIN Humidity, Temp, and Pressure Sensor Equipped

Dual Fuel Pressure Sensor Equipped

Brake Pedal Sensor Equipped

Clutch Sensor Equipped

SWAP HARDWIRED BRAKE SWITCH INPUTS

Mass Airflow System Equipped

Bi-Directional Crank Sensor Equipped

5 Button Cruise (LIN) Equipped

Operator Idle Request Equipped

INTAKE EQUIPPED

Cylinder Pressure Sensor Equipped

Make Up Air Sensor Equipped

|                                         |       |      |
|-----------------------------------------|-------|------|
| Active Exhaust Pressure Sensor Equipped | False |      |
| Secondary Mass Airflow Sensor Equipped  |       |      |
| I3 Engine                               |       |      |
| Engine                                  |       |      |
| Variable Valve Lift Equipped            |       |      |
| Coolant On-Off Pump Equipped            |       |      |
| Primary Lin Alternator Equipped         |       |      |
| Electronic Parking Brake Equipped       |       |      |
| Active Exhaust Valve(s) Equipped        |       |      |
| Mechanical Coolant Pump Equipped        |       |      |
| Aux Coolant Pump Heater Equipped        |       |      |
| Heater Temp Control Valve Equipped      |       |      |
| High Side Port Tumble Valve Equipped    |       |      |
| Wastegate HBridge Equipped              |       |      |
| Remote Start Present                    |       |      |
| Engine Oil Pressure Sensor Type         |       | None |

#### ICS CONFIGURATION

| NAME                | VALUE |  |
|---------------------|-------|--|
| Display Type (Base) |       |  |
| Display Type (Mid)  |       |  |
| Display Type (High) |       |  |

#### RFH CONFIGURATION

| NAME                                                | VALUE | UNITS |
|-----------------------------------------------------|-------|-------|
| PIN Successfully Programmed                         |       |       |
| VIN Successfully Programmed                         |       |       |
| Valid Key In Ignition                               |       |       |
| Keyless Go                                          |       |       |
| Ignition system type connected                      |       |       |
| e-shifter present                                   |       |       |
| Auto Park Present                                   |       |       |
| Secret Codes Programmed                             |       |       |
| Passive Entry                                       |       |       |
| RKE                                                 |       |       |
| Module Configuration Status                         |       |       |
| Remote Start Present                                |       |       |
| Programmed by                                       |       |       |
| Hardware Configuration: Remote Start Antenna        |       |       |
| Hardware Configuration: Front Left Door Handle H/W  |       |       |
| Hardware Configuration: Front Right Door Handle H/W |       |       |
| Hardware Configuration: Rear Left Door Handle H/W   |       |       |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)



Hardware Configuration: Rear Right Door Handle H/W

Hardware Configuration: Trunk Door Handle H/W

RFHub Locked

Fob Location #1 Successfully Programmed

Fob Location #2 Successfully Programmed

Fob Location #3 Successfully Programmed

Fob Location #4 Successfully Programmed

Fob Location #5 Successfully Programmed

Fob Location #6 Successfully Programmed

Fob Location #7 Successfully Programmed

Fob Location #8 Successfully Programmed

Back Up Vehicle Config 1

Back Up Vehicle Config 2

Back Up Vehicle Config 3

Back Up Vehicle Config 4

Back Up Vehicle Config 5

Back Up Vehicle Config 6

Back Up Vehicle Config 7

Back Up ECU Configuration 1

Back Up ECU Configuration 2

Back Up ECU Configuration 3

Back Up ECU Configuration 4

Back Up ECU Configuration 5

Back Up ECU Configuration 6

Back Up ECU Configuration 7

Back Up ECU Configuration 8

Back Up ECU Configuration 9

Back Up ECU Configuration 10

Back Up ECU Configuration 11

Back Up ECU Configuration 12

Back Up ECU Configuration 13

Back Up ECU Configuration 14

Back Up ECU Configuration 15

Back Up ECU Configuration 16

Back Up ECU Configuration 17

Back Up Customer Settings Menu 1 ( )

Back Up Customer Settings Menu 2 ( )

Back Up Programmed ECUs: Cabin Network

Back Up Programmed ECUs: P/T Chassis Network

Secret Key Sent to Body Controller - Most recent attempt

Secret Key Sent to Body Controller - Original attempt

Base TPM Present

Full Size Matching Spare Tire Present

ECU Ship Status

Tire Pressure System

Selectable Tire Fill Alert

TPM Auto-Locate Enabled

TPMS Configuration

## CONFIGURATION

| NAME                  | VALUE | UNITS |
|-----------------------|-------|-------|
| Full-Time T-Case      |       |       |
| Front Locker Present  |       |       |
| Rear Locker Present   |       |       |
| FAD Present           |       |       |
| Mode Switch Present   |       |       |
| Left/Right Hand Drive |       |       |
| Axle Ratio            |       |       |
| T-Case Type           |       |       |
| SRT Present           |       |       |

## ORC CONFIGURATION

| NAME                                 | VALUE | UNITS |
|--------------------------------------|-------|-------|
| Rollover Sensing                     |       |       |
| EPPM                                 |       |       |
| Occupant Classification (OCM)        |       |       |
| Driver Seatbelt Buckle Switch        |       |       |
| Passenger Seatbelt Buckle Switch     |       |       |
| Left seat belt Switch                |       |       |
| Center seat belt Switch              |       |       |
| Right seat belt Switch               |       |       |
| Driver Seat Track Position Sensor    |       |       |
| Passenger Seat Track Position Sensor |       |       |
| Passenger Occupant Detection Sensor  |       |       |
| Passenger Airbag Disable Switch      |       |       |
| Passenger Airbag Disable Indicator   |       |       |
| Driver Frontal Squib 1               |       |       |
| Driver Frontal Squib 2               |       |       |
| Driver Frontal Squib 3               |       |       |
| Passenger Frontal Squib 1            |       |       |
| Passenger Frontal Squib 2            |       |       |
| Passenger Frontal Squib 3            |       |       |
| Driver Knee Bolster Squib            |       |       |
| Passenger Knee Bolster Squib         |       |       |

SessionID #

ACT (FOIA), 5 U.S.C. 552 (B) (6)

Driver Seatbelt Retractor Pretensioner  
 Passenger Seatbelt Retractor Pretensioner  
 Driver Seatbelt Load Limiter  
 Passenger Seatbelt Load Limiter  
 Driver Seatbelt Anchor Pretensioner  
 Passenger Seatbelt Anchor Pretensioner  
 Driver Seatbelt Buckle Pretensioner  
 Passenger Seatbelt Buckle Pretensioner  
 Left Curtain Squib 1  
 Right Curtain Squib 1  
 Left Side Seat Squib 1  
 Right Side Seat Squib 1  
 Left Seat Side Airbag  
 Second Row Right Seat Side Airbag  
 Driver Frontal Squib 4  
 Passenger Frontal Squib 4  
 Left Up-Front Acceleration Sensor  
 Right Up-Front Acceleration Sensor  
 Right B-Pillar Impact Acceleration Sensor  
 Left B-Pillar Impact Acceleration Sensor  
 Left C-Pillar Impact Acceleration Sensor  
 Right C-Pillar Impact Acceleration Sensor  
 Right D-Pillar Impact Acceleration Sensor  
 Left D-Pillar Impact Acceleration Sensor  
 Left Side Door Pressure Sensor  
 Right Side Door Pressure Sensor  
 Configuration Column Identifier

#### HVAC CONFIGURATION

| NAME                           | VALUE | UNITS |
|--------------------------------|-------|-------|
| DualZone ATC Control (Factory) |       |       |
| DualZone ATC Control           |       |       |
| Dual Zone MTC Control          |       |       |
| Single Zone MTC Control        |       |       |
| MTC With EBL ( )               |       |       |
| MTC Without EBL ( )            |       |       |
| MTC heater only ( )            |       |       |

#### AMP CONFIGURATION

| NAME                        | VALUE | UNITS |
|-----------------------------|-------|-------|
| ANC Calibration Date - Year |       |       |
| ANC Calibration Date - Week |       |       |

C Calibration Date - Patch

Current Calibration ID - Service

C Status

Surround Sound Activated

Door Module - Left Front

Door Module - Right Front

Premium - 1

Premium - 2

Premium - 3

Non -

No Rear Doors

No

## IPC CONFIGURATION

| NAME                                          | VALUE | UNITS |
|-----------------------------------------------|-------|-------|
| Main Fuel Tank Gauge - Empty Stop Calibration |       |       |
| Main Fuel Tank Gauge - Datum Calibration      |       |       |
| Main Fuel Tank Gauge - Datum Calibration      |       |       |
| Main Fuel Tank Gauge - Calibration            |       |       |
| Main Fuel Tank Gauge - Full Stop Calibration  |       |       |
| Sub Fuel Tank Gauge - Empty Stop Calibration  |       |       |
| Sub Fuel Tank Gauge - Datum Calibration       |       |       |
| Sub Fuel Tank Gauge - Datum Calibration       |       |       |
| Sub Fuel Tank Gauge - Calibration             |       |       |
| Sub Fuel Tank Gauge - Full Stop Calibration   |       |       |

## SCCM CONFIGURATION

| NAME                 |  | UNITS |
|----------------------|--|-------|
| Rear Wiper           |  |       |
| Tilt Telescope       |  |       |
| Paddle Shifter       |  |       |
| Cruise Control / ACC |  |       |

## CONFIGURATION

| NAME               |  | UNITS |
|--------------------|--|-------|
| RBSM               |  |       |
| LBMS               |  |       |
| COM (Interior Bus) |  |       |
|                    |  |       |
|                    |  |       |
|                    |  |       |
| Radio              |  |       |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                            |            |            |
|--------------------------------------------|------------|------------|
| ITM                                        | [REDACTED] | [REDACTED] |
| AMP                                        | [REDACTED] | [REDACTED] |
| EDM                                        | [REDACTED] | [REDACTED] |
| HVAC_R                                     | [REDACTED] | [REDACTED] |
| TBM                                        | [REDACTED] | [REDACTED] |
| AHLM/AFLS                                  | [REDACTED] | [REDACTED] |
| ABCM                                       | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| DTCM                                       | [REDACTED] | [REDACTED] |
| PCM                                        | [REDACTED] | [REDACTED] |
| EPS                                        | [REDACTED] | [REDACTED] |
| ESM                                        | [REDACTED] | [REDACTED] |
| ABS                                        | [REDACTED] | [REDACTED] |
| RFH                                        | [REDACTED] | [REDACTED] |
| IPC                                        | [REDACTED] | [REDACTED] |
| ORC                                        | [REDACTED] | [REDACTED] |
| PTS                                        | [REDACTED] | [REDACTED] |
| SCCM                                       | [REDACTED] | [REDACTED] |
| ELSD                                       | [REDACTED] | [REDACTED] |
| TCM                                        | [REDACTED] | [REDACTED] |
| TPM                                        | [REDACTED] | [REDACTED] |
| AFLS                                       | [REDACTED] | [REDACTED] |
| ITBM                                       | [REDACTED] | [REDACTED] |
| OCM                                        | [REDACTED] | [REDACTED] |
| DPDM                                       | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| ANC                                        | [REDACTED] | [REDACTED] |
| Number of Reprogramming Attempts - Counter | [REDACTED] | [REDACTED] |
| Vehicle Configuration Programmed Status    | [REDACTED] | [REDACTED] |
| Last Programmed Status                     | [REDACTED] | [REDACTED] |
| Last Configuration Odometer                | [REDACTED] | miles      |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |
| [REDACTED]                                 | [REDACTED] | [REDACTED] |



Programmed ECUs: Hybrid LAN Network

ECU Configuration 1 (CBC Configurable Inputs and Outputs)

ECU Configuration 2 (CBC Features)

ECU Configuration 3

ECU Configuration 4

ECU Configuration 5 (Wireless)

ECU Configuration 5 (Doors)

ECU Configuration 5 (Memory)

ECU Configuration 6 (Brake)

ECU Configuration 6 (Suspension)

ECU Configuration 6 (Powertrain)

ECU Configuration 6 (Safety)

ECU Configuration 7 (CBC Exterior Lighting Calibrations)

ECU Configuration 8 (LIN and Miscellaneous )

ECU Configuration 9A

ECU Configuration 9 (ITM)

ECU Configuration 10

ECU Configuration 11

ECU Configuration 12

ECU Configuration 13

ECU Configuration 14

ECU Configuration 15 (CBC Features)

ECU Configuration 15 (Suspension)

Vehicle Configuration 7 - Write Counter

Vehicle Config CSM1

Vehicle Config CSM2

Model Year

Vehicle Line

Country Code

Left/Right Hand Drive

Remote Start Present

Drive Configuration

Emode Present

Auto Highbeam

Body Style

Maximum Vehicle Speed

Shifter Type

Performance Pages Present

Special Packages

PTS Configuration

Hill Descent Feature Present

Select Speed Control Feature Present

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                               |  |  |
|-----------------------------------------------|--|--|
| Power Inverter Type                           |  |  |
| Present                                       |  |  |
| Rain Sensor Present                           |  |  |
| System Present                                |  |  |
| Air Conditioning Present                      |  |  |
| Cruise Feature is Present                     |  |  |
| Fluor Glass Present                           |  |  |
| Full Size Spare                               |  |  |
| Off Road Capable                              |  |  |
| Special Packages                              |  |  |
| Max Load Inflation Pressure Rear Tire         |  |  |
| Max Load Inflation Pressure Front Tire        |  |  |
| Light Load Inflation Pressure Rear Tire       |  |  |
| Police Lighting Feature                       |  |  |
| Power Lift Gate Present                       |  |  |
| Power Right Sliding Door Present              |  |  |
| Power Left Sliding Door Present               |  |  |
| System Present                                |  |  |
| Sunshade Present                              |  |  |
| T-Case Type                                   |  |  |
| Wheel Base                                    |  |  |
| FOBIK Safe Enable                             |  |  |
| ELV Present                                   |  |  |
| Fuel Capacity                                 |  |  |
| Window Express Feature Configuration          |  |  |
| Adjustable Pedal Feature Present (non-Memory) |  |  |
| Auto Headlamp Feature Present                 |  |  |
| Door Alert Feature Present                    |  |  |
| Present                                       |  |  |
| Vehicle is an SRT                             |  |  |
| Disable Display of Radio Clock                |  |  |
| Chassis Type                                  |  |  |
| Display Outside Temperature Present           |  |  |
| HVAC Configuration                            |  |  |
| Vehicle Brand                                 |  |  |
| Display Compass Heading Present               |  |  |
| Interior EC Mirror Present                    |  |  |
| ESCL system present                           |  |  |
| High Intensity Discharge Head Lamps           |  |  |
| Secondary Lock Present                        |  |  |
| Liftgate/Trunk Type                           |  |  |
| Collision Mitigation System present           |  |  |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                                   |     |         |
|---------------------------------------------------|-----|---------|
| Forward Collision Warning present                 |     |         |
| Base system present                               |     |         |
| Premium system present                            |     |         |
| Paddle Shift Feature Present                      |     |         |
| Sport Mode Present                                |     |         |
| Auto Park Present                                 |     |         |
| Passive Entry Present                             |     |         |
| Keyless Go Present                                |     |         |
| Transfer Case High Ratio                          |     | No Unit |
| Axle Ratio                                        |     |         |
| Transfer Case Low Range Reduction Ratio           |     |         |
| Dynamic Tire Circumference (All or Rear)          |     |         |
| Dual Rear Wheel (DRW) Vehicle Present             |     |         |
| Non-Regulated ( ) Present                         |     |         |
| Steering Ratio at                                 | 0.0 | No Unit |
| Steering Ratio at Positive Angle 1                | 0.0 | No Unit |
| Steering Ratio at Positive Angle 2                | 0.0 | No Unit |
| Steering Ratio at Positive Angle 3                | 0.0 | No Unit |
| Steering Ratio at Positive Angle 4                | 0.0 | No Unit |
| Steering Ratio at Positive Angle 5                | 0.0 | No Unit |
| Analog Door Sensor Configuration                  |     |         |
| Air Quality System Present                        |     |         |
| Steering Ratio at Negative Angle 1                | 0.0 | No Unit |
| Steering Ratio at Negative Angle 2                | 0.0 | No Unit |
| Steering Ratio at Negative Angle 3                | 0.0 | No Unit |
| Steering Ratio at Negative Angle 4                | 0.0 | No Unit |
| Steering Ratio at Negative Angle 5                | 0.0 | No Unit |
| Ambient Light Dimmer Wheel Input Present Pin G9   |     |         |
| Low Beam Output Present - Pin A3,                 |     |         |
| Rear Wiper Motor Park Present - Pin               |     |         |
| Left Rear Door Ajar Input Present - Pin           |     |         |
| Front Driver Analog Door Ajar Input Present - Pin |     |         |
| Reserved - Pin                                    |     |         |
| Horn Switch Input Present - Pin                   |     |         |
| Reserved - Pin                                    |     |         |
| Hood Ajar Switch Input Present - Pin              |     |         |
| Hard Top Sense Present - Pin                      |     |         |
| Reserved -                                        |     |         |
| Reserved - Pin                                    |     |         |
| Passenger Door Ajar Signal Present -              |     |         |
| - Pin                                             |     |         |
| Reserved -                                        |     |         |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Starter Relay Lowside Coil Drive - Pin D7

Diesel Cabin Heater #2 Output Present - Pin D9

Diesel Cabin Heater #3 Output Present - Pin

Diesel Cabin Heater #1 Output Present - Pin

Right Dedicated DRL Lamp Output Present - Pin

Left Dedicated DRL Lamps Output Present - Pin

Flipper Glass #2 Output Present

Foot Well Lamps Output Present - Pin

Front Fog Lamps Output Present - Pin A1 &

Inverter Enable Relay Output Present - Pin

Reserved -

Gated Park ZFII Output Present - Pin D-24

Reserved - Pin

Rear Fog Lamps Output Present - Pin &

Rear Park Lamps Output Present - &

Rear Turn Lamps Output Present - Pin E5 &

Run-ACC Y Relay #2 Output Present - Pin E9

Side Markers Output Present - Pin &

Trailer Backup Lamps Output Present -

Reserved - Pin F4

UGDO Feed Output Present - Pin

Warning LED Output Present - Pin

Park Brake Input Present - Pin

Ambient Temperature Sensor Present - Pin

Tip Start Enabled

Dual Start Relay System Present

Wiper Service Position Enabled

Trailer Tow Present

Quad Headlamps Enable

Horn Chirp Allowed

Bi Xenon Headlamps Enable

Hazard Lamp Configuration

Park Lamp Loadshed Enable

Front Fog Lamp Dropout Enable

Combined Rear Lighting Enable

Side Repeaters Enable

Change

Exterior Light Loadshed Enable

Front Wiper Park Enable

Rear Wiper Park Enable

Reversible Washer Pump Enable

Element Tail Lamp

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                                   |  |        |
|---------------------------------------------------|--|--------|
| DRL Configuration                                 |  |        |
| DRL Lamp Location                                 |  |        |
| DRL Dropout Enable                                |  |        |
| Tunnel Detection                                  |  |        |
| Military Vehicle Present                          |  |        |
| LED Reverse Lamps Present                         |  |        |
| LED Stop Lamps Present                            |  |        |
| LED Rear Turn Lamps Present                       |  |        |
| LED Tail Lamps Present                            |  |        |
| LED Rear Fog Lamps Present                        |  |        |
| LED License Lamps Present                         |  |        |
| LED Front Turn Lamps Present                      |  |        |
| LED Front Fog Lamps Present                       |  |        |
| LED Dedicated DRL Present                         |  |        |
| LED Low Beam Lamps Present                        |  |        |
| LED High Beam Lamps Present                       |  |        |
| LED Front Park/Marker Lamps Present               |  |        |
| Door Lock Switch Signal FT LT Usage (F9)          |  |        |
| Door Lock Switch Signal FT RT Usage (F23)         |  |        |
| Headlamp Wash Interval                            |  |        |
| Headlamp Wash Shot                                |  |        |
| Front Wiper Wipes After Wash                      |  |        |
| Headlamp Washer Low Fluid Shut-Off Enable         |  |        |
| Intermittent Wiper States                         |  | Switch |
| LED CHMSL Lamp Present                            |  |        |
| Rear Camera Present                               |  |        |
| Power Inverter Present                            |  |        |
| Front Park Assist Present                         |  |        |
| Front Heated Seats Present                        |  |        |
| Front Ventilated Seats Present                    |  |        |
| Destination                                       |  |        |
| Cabin Equilization Curve Number                   |  |        |
| Hill Start Assist Customer Setting Option Present |  |        |
| Radio Apps Present                                |  |        |
| CTP Easy Entry Enable                             |  |        |
| CTP Passive Entry Present                         |  |        |
| CTP Auto Lock Disable                             |  |        |
| SDAR Travel Link Present                          |  |        |
| DAB Present                                       |  |        |
| Vehicle Theft Alarm Present                       |  |        |
| Heated Steering Wheel Present                     |  |        |
| VIN Check Digit Diable                            |  |        |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Surround Sound Feature Present

Present

Antenna Type

CTP Max AC Present

Hybrid Electric Powertrain Present

Disable CD Eject

DTV Front Camera Present

DTV Side Camera Present

Tow Haul Present

Hill Descent Control Present

Audio Steering Wheel Switch Configuration

Radio Display On/Off Softkey Present

Microphone Tuning Parameter

Microphone Configuration

Microphone Type

External Port Type

Splashscreen Type

ERS Available

Rear Wheel Dually

Max Gear

Virtual Speedometer Units

Speedometer Range Max Scale

IC Config Feature

PTO Present

AMB Dimmer

Heated Seat Present

Split Shaft Present

Manual Headlamp Leveling

Gear Shift Indicator

Service Interval

Temperature Celsius for UK

Type of Gallons

Tip Start Present

5 Trunk Lock

Airport Scenario Trunk Set

1 Left Front

Right Front

Left Rear

AP4 Right Rear

Global Up

Global Down

Sun Shade



Puddle Lamp Present

Rear Door Pre Short Drop

Passenger Window Lockout

Auto Power Folding Mirrors Present

Folding mirrors present

Heated Mirrors Present

Minor turn signals present

Driver Memory Mirrors Present

Passenger Memory Mirror Present

Electro-chromatic driver mirror present

Electro-chromatic passenger mirror present

Tow Mirror Present

Blindspot Mirror Present

Window Motor Type

Window Hall Sensors Present

Frameless Window Present

Memory Adjustable Pedals Present

Tilt/Telescope Steering Present

Memory Seat Present

Rear Heated Seats Present

Front Vented Seats Present

Heated Steering Wheel Present

Heated Seat Material Type

Heated Wheel Material Type

Rear Vented Seats Present

Front Heated Seat Present

Brake System ECU Configuration A

Wheel overall ESC Maserati

Brake System ECU Configuration B

ECO Mode Configuration

Alternator Present

ODS Present

Driver Kneebag Present

Passenger Kneebag Present

Curtain Airbags Present

Tow Hooks Present

Passive Present

2nd Ro Present

Reserved

Reserved

Integrated EPP Present

BUX vehicle

|                                                          |   |         |
|----------------------------------------------------------|---|---------|
| Signature Light Present                                  |   |         |
| Dual Filament Headlamp                                   |   |         |
| Front Turn Lamp Diagnostics                              |   |         |
| Auto Headlamp On Threshold                               |   | Volt    |
| Auto Headlamp Off Threshold                              |   | Volt    |
| Left Low Beam Voltage Regulation                         |   |         |
| Left High Beam Voltage Regulation                        |   |         |
| Right Low Beam Voltage Regulation                        |   |         |
| Right High Beam Voltage Regulation                       |   |         |
| Left Front Corner Voltage                                |   |         |
| Right Front Corner Voltage                               |   |         |
| Left Rear Corner Voltage                                 |   |         |
| Right Rear Corner Voltage                                |   |         |
| Panic Enable                                             |   |         |
| Compass Mounting Orientation                             |   |         |
| Washer Fluid Level Voltage Threshold                     |   |         |
| IBS Present                                              |   |         |
| MM Present                                               |   |         |
| Humidity Sensor Present                                  |   |         |
| Manual Trans Present                                     |   |         |
| DC to DC Converter Present                               |   |         |
| M Present                                                |   |         |
| Auto Relock Time                                         |   | seconds |
| VTA System Present                                       |   |         |
| DC to DC Converter #2 Present                            |   |         |
| Illuminated Approach Interior Lighting Target Percentage |   |         |
| Illuminated Approach Headlamp Target Percentage          |   |         |
| Illuminated Approach Taillamp Target Percentage          |   |         |
| Illuminated Approach Interior Lighting Ramp Up Time      |   |         |
| CRVMM Present                                            |   |         |
| EVIC Switch Module Present                               |   |         |
| Compass Mounting Angle                                   | 0 | Degree  |
| Backup Reverse Lamp Left Present - Pin F41               |   |         |
| Backup Reverse Lamp Right Present - Pin                  |   |         |
| Stop/Turn Lamp or Stop Lamp Present Pin &                |   |         |
| Left High Beam Present - Pin D1                          |   |         |
| Right High Beam Present - Pin A2                         |   |         |
| Left Front Lamp Diagnostics Present - Pin                |   |         |
| Right Front Lamp Diagnostics Present - Pin               |   |         |
| Left Rear Turn Lamp Diagnostics Present - Pin            |   |         |
| Right Rear Turn Lamp Diagnostics Present - Pin           |   |         |
| Brake Fluid Level Switch Signal Present - Pin            |   |         |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                                 |            |            |
|-------------------------------------------------|------------|------------|
| Siren                                           | [REDACTED] | [REDACTED] |
| Ultrasonics                                     | [REDACTED] | [REDACTED] |
| Tilt                                            | [REDACTED] | [REDACTED] |
| [REDACTED] Gate Lock Present - Pin [REDACTED]   | [REDACTED] | [REDACTED] |
| [REDACTED] Gate Unlock Present - Pin [REDACTED] | [REDACTED] | [REDACTED] |
| Front Fog Voltage                               | [REDACTED] | [REDACTED] |
| Rear Fog Voltage                                | [REDACTED] | [REDACTED] |
| [REDACTED] Lamp Output Disable                  | [REDACTED] | [REDACTED] |
| Secondary Door Ajar Present - Pin [REDACTED]    | [REDACTED] | [REDACTED] |
| Manual Door Locks Present                       | [REDACTED] | [REDACTED] |
| Rain Sensor Module #2 Present                   | [REDACTED] | [REDACTED] |
| Auto High Beam Module Location                  | [REDACTED] | [REDACTED] |
| Average Last Longitudinal Acceleration Values   | [REDACTED] | [REDACTED] |
| Average Last Lateral Acceleration Values        | [REDACTED] | [REDACTED] |
| Excess Longitudinal Acceleration Factor         | [REDACTED] | [REDACTED] |
| Excess Lateral Acceleration Factor              | [REDACTED] | [REDACTED] |
| Brake Smoothing Duration                        | [REDACTED] | [REDACTED] |
| Brake Smoothing Factor                          | [REDACTED] | [REDACTED] |
| Steering Smoothing Duration                     | [REDACTED] | [REDACTED] |
| Steering Smoothing Factor                       | [REDACTED] | [REDACTED] |
| Steering Smoothing Threshold                    | [REDACTED] | [REDACTED] |
| Brake Smoothing Threshold                       | [REDACTED] | [REDACTED] |
| Maximum Longitudinal Change                     | [REDACTED] | [REDACTED] |
| Maximum Lateral Change                          | [REDACTED] | [REDACTED] |
| Acceleration Threshold                          | [REDACTED] | [REDACTED] |
| Acceleration Factor                             | [REDACTED] | [REDACTED] |
| Nose Dive Threshold                             | [REDACTED] | [REDACTED] |
| Nose Dive Factor                                | [REDACTED] | [REDACTED] |
| RKE Auto-Relock Feature Enable                  | [REDACTED] | [REDACTED] |
| PE Auto-Relock Feature Enable                   | [REDACTED] | [REDACTED] |
| VTA Hood Ajar Monitoring                        | [REDACTED] | [REDACTED] |
| Horn Chirp Duration                             | [REDACTED] | [REDACTED] |
| Pitch and Roll Present                          | [REDACTED] | [REDACTED] |
| Parking Light Enable                            | [REDACTED] | [REDACTED] |
| ASBM Minimum Voltage Time                       | [REDACTED] | [REDACTED] |
| ASBM Battery Minimum Voltage                    | [REDACTED] | [REDACTED] |
| Interior Lighting Night Threshold               | [REDACTED] | [REDACTED] |
| Interior Lighting Day Threshold                 | [REDACTED] | [REDACTED] |
| Axle Locker Configuration                       | [REDACTED] | [REDACTED] |
| Transmission Equipped                           | [REDACTED] | [REDACTED] |
| Park Brake Type                                 | [REDACTED] | [REDACTED] |
| TPMS Configuration                              | [REDACTED] | [REDACTED] |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Hybrid Type

Module Present

R feature Present

Present

Temperature Display Resolution

RTC Present

Glarebox Control

Glare Free Present

Brake Type

Suspension Type

Park assist customer settings menu

Park assist brake customer settings menu

Park assist front volume customer settings menu

Park assist rear volume customer settings menu

Electric power steering customer settings menu

Forward collision warning customer settings menu

Auto on driver comfort customer settings menu

Auxiliary switches customer settings menu

Rear view camera gridlines customer settings menu

Unit set customer settings menu

Power accessory delay customer settings menu

Ambient dimmer customer settings menu

Tire jack mode customer settings menu

Air suspension warning customer settings menu

Automatic aero mode customer settings menu

Auto high beam customer settings menu

Auto park customer settings menu

Blind spot alert customer settings menu

Clock display customer settings menu

Compass calibration customer settings menu

Compass variance customer settings menu

Consumption unit customer settings menu

Distance unit customer settings menu

Auto door lock customer settings menu

Easy exit seat customer settings menu

Auto entry exit mode customer settings menu

EPB service mode customer settings menu

Headlamp drop customer settings menu

Headlamp off delay customer settings menu

Headlamps on with wiper customer settings menu

Passive entry customer settings menu

Illuminated approach customer settings menu

Lane departure torque customer settings menu

Lane departure warning customer settings menu

Rear camera customer settings menu

Rain sensitive wipers customer settings menu

Power take off customer settings menu

Pressure unit customer settings menu

Power unit customer settings menu

Power window chime customer settings menu

Performance shift enable customer settings menu

Rear view camera delay customer settings menu

RKE unlock customer settings menu

Speed unit customer settings menu

Tilt mirror in reverse customer settings menu

Torque unit customer settings menu

Teen Key Fuel Pop-up Customer Settings Menu

Teen Key Automatic High Beam Customer Settings Menu

Passenger Airbag On/Off Customer Settings Menu

Forward Collision Warning and Brake Customer Settings Menu

Doors and Engine Off Power Delay Customer Settings Menu

Radio Speaker Open Circuit Disable (LF)

Radio Speaker Open Circuit Disable (RF)

Radio Speaker Open Circuit Disable (LR)

Radio Speaker Open Circuit Disable (RR)

C Calibration Parameter Data Set

Surround View Camera On/Off Softkey Present

Drive Mode Version

Rear Defrost and Heated Mirrors Present

Show Phone Information in Cluster

Auto Dimming Mirror Hard Button Present

Clari-Fi Present

Automatic Crash Notification Feature Present

Trailer Hitch Camera Present

Park Assist Tuning Set

Rear Defrost Presence

Heated Mirrors Present

Engine Displacement

Steering C Factor

Speedometer Tolerance

Increasing speed constant

Tachometer Type

Present

Tri-State Comfort Climate Softkey Function Present

RADIO CONFIGURATION

| NAME                                          | VALUE | UNITS |
|-----------------------------------------------|-------|-------|
| Satellite Subscription ID                     |       |       |
| Satellite Subscription Status                 |       |       |
| Satellite Subscription Suspend Day            |       |       |
| Satellite Subscription Suspend Month          |       |       |
| Satellite Subscription Suspend Year           |       |       |
| Satellite Subscription Reason Code            |       |       |
| NAV Activation Request Code                   |       |       |
| SDARS                                         |       |       |
| Navigation Active                             |       |       |
| Cellular                                      |       |       |
| Internal CD Player                            |       |       |
| Wi-Fi                                         |       |       |
| Bluetooth                                     |       |       |
| Application Framework                         |       |       |
| FM Diversity                                  |       |       |
| Clock Defeat                                  |       |       |
| Automated Loudness                            |       |       |
| Anti-Theft Enable Status                      |       |       |
| Time Selection                                | Time  |       |
| Front Seat Video Playback                     |       |       |
| Cabin EQ Curve Number Currently Used by Radio |       |       |
| Market Selection Configuration                |       |       |
| Splash Screen                                 |       |       |
| Cabin EQ Major/Minor Version                  |       |       |

ABSO CONFIGURATION

| NAME                        | VALUE | UNITS   |
|-----------------------------|-------|---------|
| Vehicle Line Identification |       |         |
| Displacement                |       | No Unit |
| Hybrid                      |       |         |
| Trans                       |       |         |
| Drive Configuration         |       |         |
| Chassis                     |       |         |
| Axle Ratio                  |       | No Unit |
| Tire Circumference          |       | inch    |



INFORMATION



WI 2.0

# VEHICLE HEALTH REPORT

Vehicle

## ECU SUMMARY INFO

| ECU   | NAME                               | ECU ID | ECU Type | ECU Location | ECU Status |
|-------|------------------------------------|--------|----------|--------------|------------|
| TCM   | Transmission Control Module        |        |          |              |            |
| PCM   | Powertrain Control Module          |        |          |              |            |
| ICS   | Integrated Center Stack            |        |          |              |            |
| RFH   | Radio Frequency Hub                |        |          |              |            |
| ESM   | Electronic Shifter                 |        |          |              |            |
| DTCM  | Drive Train Control Module         |        |          |              |            |
| ORC   | Occupant Restraint                 |        |          |              |            |
| EPS   | Electric Power Steering            |        |          |              |            |
| HVAC  | Heat, Ventilation and A/C          |        |          |              |            |
| CSWM  | Comfort Seat Wheel Module          |        |          |              |            |
| AMP   | Amplifier                          |        |          |              |            |
| IPC   | Instrument Panel Cluster           |        |          |              |            |
| SCCM  | Steering Column Control Module     |        |          |              |            |
| BCM   | Body Controller                    |        |          |              |            |
| RADIO | Radio                              |        |          |              |            |
| OCM   | Occupant Classification            |        |          |              |            |
| BPCM  | Battery Pack Control Module        |        |          |              |            |
| HCP   | Hybrid Control Processor           |        |          |              |            |
| AHCP  | Auxiliary Hybrid Control Processor |        |          |              |            |

INFORMATION  
 REDACTED PER  
 QUANT TO THE FREEDOM OF INFORMATION ACT, 5 U.S.C. 552 (B) (6)

|      |                                  |  |  |  |  |  |
|------|----------------------------------|--|--|--|--|--|
| ABSO | Anti Lock Brakes OBD             |  |  |  |  |  |
| SGW  | Security Gateway Module          |  |  |  |  |  |
| DPDM | Driver Presence Detection Module |  |  |  |  |  |
| IDCM | Integrated Dual Charge Module    |  |  |  |  |  |

## ECU SUMMARY INFO (CONT...)

| ECU  | COUNTRY CODE        | HARDWARE VERSION | SOFTWARE VERSION | IDENT | SERIAL NUMBER | NS |
|------|---------------------|------------------|------------------|-------|---------------|----|
| TCM  |                     | 0E               | 18               |       |               |    |
| PCM  |                     |                  |                  |       |               |    |
| ICS  |                     |                  |                  |       |               |    |
| RFH  | /                   |                  |                  |       |               |    |
| ESM  |                     |                  |                  |       |               |    |
| DTCM |                     |                  |                  |       |               |    |
| ORC  |                     |                  |                  |       |               |    |
| EPS  |                     |                  | 0B DC            |       |               |    |
| HVAC |                     |                  |                  |       |               |    |
| CSWM |                     | 2A 00            | 15 06 00         |       |               |    |
| AMP  |                     |                  |                  |       |               |    |
| IPC  |                     | 2C 00            |                  |       |               |    |
| SCCM |                     |                  |                  |       |               |    |
| BCM  |                     | 0D 11            |                  |       |               |    |
|      |                     | 17               |                  |       |               |    |
| OCM  |                     |                  |                  |       |               |    |
| BPCM | Rest of world / ROW |                  |                  |       |               |    |
| HCP  |                     |                  |                  |       |               |    |
| AHCP |                     |                  |                  |       |               |    |
| ABSO |                     |                  |                  |       |               |    |
| SGW  |                     |                  |                  |       |               |    |
| DPDM |                     |                  |                  |       |               |    |
| IDCM |                     |                  |                  |       |               |    |

## FLASHES

## RSUS

| RSU # | DESCRIPTION | STATUS |
|-------|-------------|--------|
|-------|-------------|--------|

## RECALLS

| RECALL # | DESCRIPTION | STATUS   |
|----------|-------------|----------|
| 04B      |             | Complete |

DTC SUMMARY

| ECU  | DTC CODE   | DTC DESCRIPTION | [REDACTED] |
|------|------------|-----------------|------------|
| BPCM | [REDACTED] | [REDACTED]      | [REDACTED] |
| IDCM | [REDACTED] | [REDACTED]      | [REDACTED] |

ENVIRONMENTAL DATA SUMMARY

BPCM [REDACTED] | Active | Hybrid/EV Battery "A" Voltage Unstable-

| NAME                                               | VALUE      | UNITS           |
|----------------------------------------------------|------------|-----------------|
| DTC                                                | [REDACTED] |                 |
| Test Failed                                        | [REDACTED] |                 |
| Test Failed This Operation Cycle                   | [REDACTED] |                 |
| Pending DTC                                        | [REDACTED] |                 |
| Confirmed DTC                                      | [REDACTED] |                 |
| Test Not Completed Since Last Clear                | [REDACTED] |                 |
| Test Failed Since Last Clear                       | [REDACTED] |                 |
| Test Not Completed This Operation Cycle            | [REDACTED] |                 |
| Warning Indicator Requested                        | [REDACTED] |                 |
| Occurrence flag                                    | [REDACTED] |                 |
| Original Odometer Value                            | [REDACTED] |                 |
| Most Recent Odometer Value                         | [REDACTED] |                 |
| Frequency Counter                                  | [REDACTED] |                 |
| Ignition Cycle Counter                             | [REDACTED] |                 |
| [REDACTED] - for this DTC (lifetime fails)         | 0          | [REDACTED]      |
| FoM - for this DTC (lifetime fails counts on pass) | [REDACTED] |                 |
| FoM - for this DTC (lifetime longest fail on pass) | [REDACTED] |                 |
| Battery Total Time Awake                           | [REDACTED] |                 |
| Key in Ignition                                    | [REDACTED] |                 |
| EPT -WakeUp                                        | [REDACTED] |                 |
| HCP Contactor Command                              | [REDACTED] |                 |
| Contactor Status                                   | [REDACTED] |                 |
| Plug in Status                                     | [REDACTED] |                 |
| Balance Mode                                       | [REDACTED] |                 |
| Vehicle Speed                                      | [REDACTED] |                 |
| System ([REDACTED]) Volts at time of fault         | [REDACTED] |                 |
| Battery Lifetime AmpHrs of Charge                  | [REDACTED] |                 |
| Battery Lifetime AmpHrs of DisCharge               | [REDACTED] |                 |
| HVIL Status -Vehicle                               | [REDACTED] |                 |
| Cycles left to self heal                           | [REDACTED] | [REDACTED] Unit |
| HV Battery Charge Power 2sec                       | [REDACTED] |                 |
| HV Battery Charge Power 10sec                      | [REDACTED] |                 |
| HV Battery Discharge Power 2sec                    | [REDACTED] |                 |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                           |  |        |
|-------------------------------------------|--|--------|
| HV Battery Discharge Power 10sec          |  | watts  |
| Key - DriveRdy (CAN)                      |  |        |
| Battery Lifetime Number Of Closes         |  |        |
| Battery Full AmpHr Capacity               |  | AmpHrs |
| Battery Cell Voltage Maximum              |  | mV     |
| Battery Cell Voltage Minimum              |  | mV     |
| Battery Cell Voltage Average              |  | mV     |
| Battery Temperature Maximum Module        |  | °F     |
| Battery Temperature Minimum Module        |  | °F     |
| Battery Temperature Average Module        |  | °F     |
| DTC Extended Data Record Number - All     |  |        |
| DTC Extended Data Record Number - 2       |  |        |
| HV Battery Charge Power                   |  | watts  |
| HV Battery Discharge Power                |  | watts  |
| Key Position                              |  |        |
| SOC                                       |  | %      |
| HV Bat SOH-R                              |  | %      |
| HV Bat SOH-C                              |  | %      |
| Cell Impedance Max Discharge              |  | mOhms  |
| Cell Impedance Min Discharge              |  | mOhms  |
| HVIL Status - Battery pack                |  |        |
| HVIL PWM Duty Cycle source - Vehicle      |  | %      |
| HVIL PWM Duty Cycle Source - Battery      |  | %      |
| HVIL PWM Duty Cycle Sink - Battery        |  | %      |
| HVIL PWM Frequency source - Vehicle       |  | Hz     |
| HVIL PWM Frequency Sink - Vehicle         |  | Hz     |
| HVIL PWM Frequency Source - Battery       |  | Hz     |
| HVIL PWM Frequency Sink - Battery         |  | Hz     |
| HVIL Returned current - Vehicle           |  | mA     |
| HVIL Returned current - Battery           |  | mA     |
| Battery Cell Highest Cell number          |  |        |
| Battery Cell Lowest Cell number           |  |        |
| HV Battery Current Sensor Primary         |  | Amps   |
| HV Battery Current Sensor Secondary       |  | Amps   |
| HV Battery Current HVBatCmnt              |  | Amps   |
| HV Battery Voltage (cell sum)             |  | Volts  |
| HV Battery Voltage (Module Sum)           |  | Volts  |
| Battery Temperature Highest Sensor number |  |        |
| Battery Temperature Lowest Sensor number  |  |        |
| HV Cooling Battery coolant inlet temp     |  | °F     |
| HV Cooling Battery coolant outlet temp    |  | °F     |
| BPCM temperature max                      |  | °F     |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                                                    |     |           |
|--------------------------------------------------------------------|-----|-----------|
| temperature min                                                    | 104 | °F        |
| Vehicle Isolation Impedance (Positive side)                        |     | Mega Ohms |
| Vehicle Isolation Impedance (Negative side)                        |     | Mega Ohms |
| Vehicle Isolation Impedance (Equivalent)                           |     | Mega Ohms |
| Battery Isolation Impedance (Positive side)                        |     | Mega Ohms |
| Battery Isolation Impedance (Negative side)                        |     | Mega Ohms |
| Battery Isolation Impedance (Equivalent)                           |     | Mega Ohms |
| Engine Speed                                                       | 0   | rpm       |
| Accelerator position                                               | 0.0 | %         |
| GPS Date - Year                                                    |     | Year      |
| GPS Date - Month                                                   |     |           |
| GPS Date - Day                                                     |     | Days      |
| UTC Time - Hours                                                   |     | Hours     |
| UTC Time - Minutes                                                 |     |           |
| UTC Time - Seconds                                                 |     | seconds   |
| HCP - System Shutdown Command (CAN)                                |     |           |
| HCP - ePT LOC Diagnostics Enable (CAN)                             |     |           |
| HCP - Propulsion system active (CAN)                               |     |           |
| HV Sensor- Pack Voltage (U BAT P - U BAT M)                        |     | Volts     |
| HV Sensor - DC Link Voltage (U DC LINK)                            |     | Volts     |
| HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK    |     | Volts     |
| OBCM Fuse Voltage (U MAIN P - U AUX FUSE)                          |     | Volts     |
| APM Fuse Voltage (U MAIN P - U AUX REL)                            | 0.0 | Volts     |
| HV Sensor - Battery Voltage - Positive contactor (U BAT P)         |     | Volts     |
| HV Sensor - Battery Voltage - Negative contactor (U BAT M)         |     | Volts     |
| HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P) |     | Volts     |
| HV Sensor - Weld Contactor Voltage - Negative contactor (U MAIN M) |     | Volts     |
| HV Sensor - U AUX FUSE                                             |     | Volts     |
| HV Battery Total Amp Hour Capacity (CAN)                           |     | AHr       |
| HV Battery - Pack Isolation state (CAN)                            |     |           |
| HV Battery - Powertrain Isolation state (CAN)                      |     |           |
| HV Sensor - Pack Voltage VALIDITY (CAN)                            |     |           |
| HV Battery Total Amp Hour Capacity VALIDITY (CAN)                  |     |           |
| - MCU Reset Counter                                                |     |           |
| - RAM Reset Counter                                                |     |           |
| - ROM Reset Counter                                                |     |           |
| - Hall current sensor supply voltage ( )                           |     | Volts     |
| - Precharge Penalty Timer (CAN)                                    | 600 | seconds   |



|                                                                                                                        |         |
|------------------------------------------------------------------------------------------------------------------------|---------|
| BPCM - RTC Circuit Status                                                                                              |         |
| BPCM - HVBat Sleep Time                                                                                                | seconds |
| BPCM - System Mode                                                                                                     | No Unit |
| BPCM - HV Battery pack contactor request (CAN)                                                                         |         |
| BPCM - HV Battery Pack contactor Open (CAN)                                                                            |         |
| BPCM - HV Battery pack Contactor welded and impeded opening (CAN)                                                      |         |
| BPCM - Crash Indication (CAN)                                                                                          |         |
| BPCM - Crash Indication VALIDITY (CAN)                                                                                 |         |
| BPCM - Retention Status                                                                                                |         |
| BPCM - ActiveWeld check type                                                                                           |         |
| BPCM - Current Category of Wearout Counter                                                                             |         |
| HV Contactor State - Positive Contactor                                                                                |         |
| HV Contactor State - Negative Contactor                                                                                |         |
| HV Contactor State - Precharge Contactor                                                                               |         |
| CSC Fault - Cn <input type="checkbox"/> Open                                                                           |         |
| CSC Fault - Cn Short to SWn                                                                                            |         |
| CSC Fault - Auxiliary channel 1 <input type="checkbox"/> Open                                                          |         |
| CSC Fault - Auxiliary channel 2 <input type="checkbox"/> Open                                                          |         |
| CSC Fault - Measured result difference between Alternative path and Primary path is out of range                       |         |
| CSC Fault - Balancing Switch Short                                                                                     |         |
| CSC Fault - Balancing Switch Open                                                                                      |         |
| CSC Fault - Alternate reference voltage is out of range                                                                |         |
| CSC Fault - Vaa voltage is out of range                                                                                |         |
| CSC Fault - Level-shift amplifier offset voltage is out of range                                                       |         |
| CSC Fault - Stuck ADC output bits verification with zero-scale                                                         |         |
| CSC Fault - Stuck ADC output bits verification with full-scale                                                         |         |
| CSC Fault - Multiplexer Open/Short verification with <input type="checkbox"/> HVMUX test current source                |         |
| CSC Fault - Multiplexer Open/Short verification with <input type="checkbox"/> HVMUX test current sources               |         |
| CSC Fault - Measured result difference between Module voltage and Cell voltage summation                               |         |
| CSC Fault - Vhv < Vhvuv                                                                                                |         |
| CSC Fault - Vhv - Vdcin > Vhvov                                                                                        |         |
| CSC Fault - Die Temperature is over the upper limit                                                                    |         |
| CSC Fault - Scanning for cell information is not complete                                                              |         |
| CSC Fault - ADC Data Path error                                                                                        |         |
| CSC Fault - Packet Error Check                                                                                         |         |
| CSC Fault - Power-on reset event occurred                                                                              |         |
| CSC Fault - <input type="checkbox"/> oscillator frequency is not within <input type="checkbox"/> of its expected value |         |
| CSC Fault - Same as Alrtosc1 (redundant alert)                                                                         |         |
| CSC Fault - Die Temperature is over the upper limit                                                                    |         |
| CSC Fault - Module number addressing is fail                                                                           |         |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)



|                                                                |             |
|----------------------------------------------------------------|-------------|
| CSC Fault - Alive counter is not matched to the expected value |             |
| CSC Fault - PEC Bits in Data-check byte error                  |             |
| CSC Fault - Vhv - is too low                                   |             |
| CSC Fault - Transmit data is not equal to read back data       |             |
| CSC Diagnostics - Initialization Status                        | FF FF FF FF |
| CSC Diagnostics - CSC #01 Status                               | 00 00 00 00 |
| CSC Diagnostics - CSC #02 Status                               | 00 00 00 00 |
| CSC Diagnostics - CSC #03 Status                               | 00 00 00 00 |
| CSC Diagnostics - CSC #04 Status                               | 00 00 00 00 |
| CSC Diagnostics - CSC #05 Status                               | 00 00 00 00 |
| CSC Diagnostics - CSC #06 Status                               | 00 00 00 00 |
| CSC Diagnostics - CSC #07 Status                               | 00 00 00 00 |
| CSC Diagnostics - CSC #08 Status                               | 00 00 00 00 |
| CSC Diagnostics - Internal Operation Mode                      | 0B          |
| HVIL PWM Duty Cycle sink - Vehicle                             |             |
| SBC Status                                                     |             |
| Vref UV Flag                                                   |             |
| Vref UV State                                                  |             |
| SUV count @open                                                | 0           |
| SUV count @close                                               | 0           |
| @open                                                          | 0           |
| @close                                                         | 0           |
| Pos HSD Feedback Voltage                                       |             |
| Pos HSD Feedback Current                                       |             |
| Neg HSD Feedback Voltage                                       |             |
| Neg HSD Feedback Current                                       |             |
| OCM Value Mon Curr Enrg Val                                    |             |
| Retention Diagnosis Case                                       |             |
| Retention Diagnosis Flag                                       |             |
| Retention Diagnosis Status                                     |             |

IDCM | | Stored | Battery System Voltage Low-

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
|                                         |       |       |
| Test Failed                             |       |       |
| Test Failed This Operation Cycle        |       |       |
| Pending DTC                             |       |       |
| Confirmed DTC                           |       |       |
| Test Not Completed Since Last Clear     |       |       |
| Test Failed Since Last Clear            |       |       |
| Test Not Completed This Operation Cycle |       |       |
| Warning Indicator Requested             |       |       |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                             |      |
|---------------------------------------------|------|
| DTC Extended Data Record Number - All       |      |
| Occurrence flag                             |      |
| Original Odometer Value                     |      |
| Most Recent Odometer Value                  |      |
| Frequency Counter                           |      |
| Ignition Cycle Counter                      |      |
| APM High Voltage DC Current Set Point       | AMP  |
| APM Low Voltage DC Current Set Point        |      |
| HCP Commanded APM Operating Mode            |      |
| APM High Voltage DC Voltage Set Point       |      |
| Low voltage battery voltage from HCP        |      |
| APM Low Voltage DC Voltage Set Point        |      |
| APM Internal Mode                           |      |
| APM Wake Up Status                          |      |
| APM Wake Up Reason                          |      |
| HV Contactor Status                         |      |
| HV Battery Voltage from BPCM                |      |
| APM Estimated Power                         |      |
| APM HV side Current Feedback                |      |
| APM LV side Current Feedback                |      |
| APM Operation Mode Status Reported from APM |      |
| APM HV Side Voltage Feedback                |      |
| APM LV Side Voltage Feedback                |      |
| APM Current Limit Mode                      |      |
| APM Power Limit Mode                        |      |
| APM HV Over V Status                        |      |
| APM LV High I Status                        |      |
| APM LV High V Status                        |      |
| APM LV Low V Status                         |      |
| CurrentFailSts_APM                          |      |
| GenericFailSts_APM                          |      |
| APM Derating Mode Status                    |      |
| APM Derating Reason                         |      |
| APM Failure Mode Status                     |      |
| APM Failure Reason                          |      |
| APM Temp                                    | °F   |
| APM Temp Cold Plate                         | °F   |
| APM Temp                                    | °F   |
| APM Util Pct of DC/DC                       |      |
| APM Derating Power                          |      |
| APM Batt Feed Volt                          | Volt |
| APM I DC HV Set P Feedback                  |      |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                             |     |       |
|---------------------------------------------|-----|-------|
| APMLV I Set P Feedback                      |     | AMP   |
| APMHV V Set P Feedback                      |     | Volt  |
| APMV DC LV Set P Feedback                   |     | Volt  |
| APM Input Power                             |     | Watt  |
| APM Output Power                            |     | Watt  |
| APM_CurrentOperTime                         |     | sec   |
| APM_TotalOperTime                           |     | Hours |
| DTC Extended Data Record Number - Record #2 |     |       |
| OBCM Status AC Present                      |     |       |
| AC Line Low                                 |     |       |
| AC Line High                                |     |       |
| AC Side Current                             |     | Amps  |
| AC Side Volt                                | 0.0 | Volts |
| HCP (EVCU) AC Current Max Cal               |     | Amps  |
| HCP (EVCU) Voltage Request                  |     | Volts |
| HCP (EVCU) Current Request                  |     | AMP   |
| Battery Not Detected                        |     |       |
| Battery Voltage Under Min                   |     |       |
| Battery Voltage Over Max                    |     |       |
| Battery Side Current                        |     | Amps  |
| Battery Side Voltage                        |     | Volts |
| OBCM Charge Current Available               |     | AMP   |
| BPCM HV Battery Contactor Open              |     |       |
| HV OC                                       |     |       |
| HV OV                                       |     |       |
| SBC Bus Off                                 |     |       |
| CANSIP Bus Off                              |     |       |
| HCP (EVCU) HV Current Max Cal               |     | Amps  |
| HCP (EVCU) HV Volt Max Cal                  |     | Volt  |
| HCP (EVCU) HV Volt Min Cal                  |     | Volt  |
| OBCM Temperature 1                          |     | °F    |
| OBCM Temperature 2                          |     | °F    |
| OBCM Temperature 3                          |     | °F    |
| OBCM Temperature 4                          |     | °F    |
| NTC1 OT                                     |     |       |
| NTC2 OT                                     |     |       |
| NTC3 OT                                     |     |       |
| NTC4 OT                                     |     |       |
| External OBCM Inlet Temperature (CAN)       |     | °F    |
|                                             | 0   | AMP   |
| Close                                       |     |       |
| Stat                                        |     |       |

|                                           |    |
|-------------------------------------------|----|
| S2 Status                                 |    |
| Control Pilot Amplitude                   |    |
| Control Pilot Duty Cycle                  |    |
| Control Pilot Frequency                   | Hz |
| E Pilot Stat                              |    |
| Prox Stat                                 |    |
| Prox Voltage                              |    |
| Charge Time                               |    |
| Charge Tml                                |    |
| Idle Time                                 |    |
| C Idle Tml                                |    |
| Watt- of AC Power                         |    |
| Watt- of Charge the 4V Bus                |    |
| Mode                                      |    |
| Charger Ready                             |    |
| WU Status                                 |    |
| Charge Enable Status                      |    |
| ( ) Shutdown Command                      |    |
| ( ) Enable Charge Command                 |    |
| ( ) Mode Request                          |    |
| Generic Fail Sts                          |    |
| Chrg Fail Sts                             |    |
| Wake Up Reason                            |    |
| Control Mth                               |    |
| M Deraing Reason                          |    |
| Close Chrgr Cntctr                        |    |
| Chrgr Cntctr Stat                         |    |
| Chrg Mode                                 |    |
| Fault Reason                              |    |
| LOC Diag Enable                           |    |
| Shutdown Command                          |    |
| HV Battey Contactor Open                  |    |
| BPCM Request for HV Contactor             |    |
| HV Contactor Status                       |    |
| Ignition on Time for DTC                  |    |
| Module A Primary - PFC Temperature        | °F |
| Module A Primary - LLC Temperature        | °F |
| Module A Secondary - Buck Temperature     | °F |
| Module A Secondary - Ambient Temperature  | °F |
| Module A Primary - AC Side Volt           |    |
| Module A Primary - AC Side Current        |    |
| Module A Secondary - Battery Side Voltage |    |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                     |      |       |
|-------------------------------------|------|-------|
| Module A - Battery Side Current     | 0.00 | Amps  |
| Module A - Buck Output Voltage      |      | Volts |
| Module B Primary - PFC Temperature  |      | °F    |
| Module B Primary - LLC Temperature  |      | °F    |
| Module B - Buck Temperature         |      | °F    |
| Module B - Ambient Temperature      |      | °F    |
| Module B Primary - AC Side Volt     |      | Volts |
| Module B Primary - AC Side Current  |      | Amps  |
| Module B - Battery Side Voltage     |      | Volts |
| Module B - Battery Side Current     |      | Amps  |
| Module B - Buck Output Voltage      |      | Volts |
| - HV Over Voltage Protect           |      |       |
| - LV Aux Over Voltage Protect       |      |       |
| - LV Aux Under Voltage Protect      |      |       |
| - Over Voltage Protect              |      |       |
| - Under Voltage Protect             |      |       |
| - PFC Over Voltage Protect          |      |       |
| - PFC Under Voltage Protect         |      |       |
| - M - Battery Under Voltage Protect |      |       |
| - M - Battery Over Voltage Protect  |      |       |
| - AC Under Voltage Protect          |      |       |
| - AC Over Voltage Protect           |      |       |
| - AC Over Current Protect           |      |       |
| - HV Voltage Over Protect           |      |       |
| - HV Over Current Protect           |      |       |
| - Power Stage Over Voltage Protect  |      |       |
| - Internal Memory Fault             |      |       |
| - Over Temperature Protect          |      |       |
| - HCP Loss of Communication Protect |      |       |
| - CAN Bus Off                       |      |       |
| - M - Pilot Duty Fault              |      |       |
| - Loss BPCM Communication Protect   |      |       |
| - Prox Range To Low                 |      |       |
| - Prox Range To High                |      |       |
| - HV Voltage Under MinCal Protect   |      |       |
| - SPI Communication Fault           |      |       |
| - WakeUp Output Stuck Low           |      |       |
| - Pilot Short To Battery            |      |       |
| - WakeUp Output Stuck High          |      |       |
| - ORC Loss of Communication         |      |       |
| - HV Battery Not Contact            |      |       |
| - Loss Communication Protect        |      |       |

INFORMATION RELEASED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

OBCM - Receive HV Battery Contact Open From BPCM

OBCM - Aux Over Voltage Protect

OBCM - Aux Under Voltage Protect

OBCM - Primary Aux Over Voltage Protect

OBCM - Primary Aux Under Voltage Protect

OBCM - Stuck Shutdown

OBCM - Cycle Shutdown

OBCM - HV Under Voltage Protect

OBCM - Vehicle Impact

OBCM - ARC/OPC Fault

Control Pilot Open fault

Prox open fault

OBCM - Internal S2 Switch Low Fault

OBCM - Internal S2 Switch High Fault

OBCM - Pilot Range Fault

OBCM - Prox Range Fault

force shutdown fault

pilot signal wake up issue because of EVSE

HCP stuck low fault

HCP stuck High fault

Plant mode flag

Retry fault flag

Loss SBC communication (SPI)

pilot input short to battery fault in Driver mode detecting

pilot input short to ground fault

pilot short to ground fault in driver mode detecting

Charging ready line open fault

Pilot frequency range fault

OBCM - Internal S2 Switch High Fault in Driver mode detecting

Module A Primary - AC Under Voltage Protect

Module A Primary - PFC Power Limit

Module A Primary - PFC Enable States

Module A Primary - LLC Enable States

Module A Primary - PFC Under Voltage Protect

Module A Primary - PFC Over Voltage Protect

Module A Primary - Over Temperature Protect

Module A Primary - Hot Warning

Module A Primary - AC Present

Module A Primary - PFC Over Temperature Protect

Module A Primary - LLC Over Temperature Protect

Module A Primary - PFC Hot Warning

INFORMATION REQUESTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)



Module A Primary - Hot Warning

Module A Primary - AC Over Voltage Protect

Module A Primary - Relay Enable States

Module A Primary - Aux Over Voltage Protect

Module A Primary - Aux Under Voltage Protect

Module A Primary - AC Vin Lost

Module A Primary - Loss Communication Protect

Module A Primary - Standby Mode

Module A Primary - Operate Mode

Module A Primary - Shutdown Mode

Module A - Aux Enable States

Module A - HV Enable States

Module A - Under Voltage Protect

Module A - Over Voltage Protect

Module A - HV Over Voltage Protect

Module A - HV Over Current Protect

Module A - Over Temperature Protect

Module A - Hot Warning

Module A - HV Over Temperature Protect

Module A - Ambient Over Temperature Protect

Module A - HV Hot Warning

Module A - Ambient Hot Warning

Module A - Aux Over Voltage Protect

Module A - Aux Under Voltage Protect

Module A - Loss Primary Communication Protect

Module A - LV Micro Enable Command

Module A - Loss LV Communication Protect

Module A - Primary Turn On States

Module A - Primary Shutdown States

Module A - HV Under Voltage Protect

Module A - Standby Mode

Module A - Operate Mode

Module A - Shutdown Mode

Module A - LV Micro Disable Command

Module A - PFC High Temperature Derating

Module A - PFC Low Temperature Derating

Module A - High Temperature Derating

Module A - Low Temperature Derating

Module A - HV High Temperature Derating

Module A - HV Low Temperature Derating

Module A - Ambient High Temperature Derating

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Module A - Ambient Low Temperature Derating

Module A - AC Input Voltage Derating

Module A - HV Output Voltage Derating

Primary - AC Under Voltage Protect

Primary - PFC Power Limit

Primary - PFC Enable States

Primary - LLC Enable States

Primary - PFC Under Voltage Protect

Primary - PFC Over Voltage Protect

Primary - Over Temperature Protect

Module B Primary - Hot Warning

Module B Primary - AC Present

Primary - PFC Over Temperature Protect

Primary - LLC Over Temperature Protect

Primary - PFC Hot Warning

Primary - AC Over Voltage Protect

Primary - LLC Hot Warning

Primary - Relay Enable States

Primary - Aux Over Voltage Protect

Primary - Aux Under Voltage Protect

Module B Primary - Micro Enable Command

Module B Primary - AC Vin Lost

Primary - Loss Communication Protect

Primary - Standby Mode

Primary - Operate Mode

Primary - Shutdown Mode

- Aux Enable States

- HV Enable States

Under Voltage Protect

Over Voltage Protect

Module B - HV Over Voltage Protect

- HV Over Current Protect

- Over Temperature Protect

- Hot Warning

- HV Over Temperature Protect

- Ambient Over Temperature Protect

- HV Hot Warning

- Ambient Hot Warning

- Aux Over Voltage Protect

- Aux Under Voltage Protect

Module B - Loss Primary Communication Protect

- LV Micro Enable Command

INFORMATION DELETED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

[illegible]



WI  
TECH 2.0

## VEHICLE SCAN REPORT

Vehicle [REDACTED] DI TURBO PHEV ENGINE [REDACTED]  
VIN [REDACTED] [REDACTED]

### ECU SUMMARY INFO

| ECU   | NAME                               | FLASH PART #   |            |            | PART #     |
|-------|------------------------------------|----------------|------------|------------|------------|
| TCM   | Transmission Control Module        | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| PCM   | Powertrain Control Module          | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| ICS   | Integrated Center Stack            | CAN [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| RFH   | Radio Frequency Hub                | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| ESM   | Electronic Shifter                 | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| DTCM  | Drive Train Control Module         | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| ORC   | Occupant Restraint                 | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| EPS   | Electric Power Steering            | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| HVAC  | Heat, Ventilation and A/C          | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| CSWM  | Comfort Seat Wheel Module          | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| AMP   | Amplifier                          | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| IPC   | Instrument Panel Cluster           | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| SCCM  | Steering Column Control Module     | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| BCM   | Body Controller                    | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| RADIO | Radio                              | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| OCM   | Occupant Classification            | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| BPCM  | Battery Pack Control Module        | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| HCP   | Hybrid Control Processor           | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |
| AHCP  | Auxiliary Hybrid Control Processor | [REDACTED]     | [REDACTED] | [REDACTED] | [REDACTED] |

(B) (6)

|      |                                  |  |  |  |  |  |
|------|----------------------------------|--|--|--|--|--|
| ABSO | Anti Lock Brakes OBD             |  |  |  |  |  |
| SGW  | Security Gateway Module          |  |  |  |  |  |
| DPDM | Driver Presence Detection Module |  |  |  |  |  |
| IDCM | Integrated Dual Charge Module    |  |  |  |  |  |

### ECU SUMMARY INFO (CONT...)

| ECU  | COUNTRY CODE | HARDWARE VERSION | SOFTWARE VERSION | IDENT | SERIAL NUMBER | STATUS |
|------|--------------|------------------|------------------|-------|---------------|--------|
| TCM  |              |                  |                  |       |               |        |
| PCM  |              |                  |                  |       |               |        |
| ICS  |              |                  |                  |       |               |        |
| RFH  | /            |                  |                  |       |               |        |
| ESM  |              |                  |                  |       |               |        |
| DTCM |              |                  |                  |       |               |        |
| ORC  |              |                  |                  |       |               |        |
| EPS  |              |                  |                  |       |               |        |
| HVAC |              |                  |                  |       |               |        |
| CSWM |              |                  |                  |       |               |        |
| AMP  |              |                  |                  |       |               |        |
| IPC  |              |                  |                  |       |               |        |
| SCCM |              |                  |                  |       |               |        |
| BCM  |              |                  |                  |       |               |        |
|      |              |                  |                  |       |               |        |
|      |              |                  |                  |       |               |        |
|      |              |                  |                  |       |               |        |
| HCP  |              |                  |                  |       |               |        |
|      |              |                  |                  |       |               |        |
| AHCP |              |                  |                  |       |               |        |
| ABSO |              |                  |                  |       |               |        |
| SGW  |              |                  |                  |       |               |        |
| DPDM |              |                  |                  |       |               |        |
| IDCM |              |                  |                  |       |               |        |

### DTC SUMMARY

| ECU  | DTC CODE | DTC DESCRIPTION | STATUS |
|------|----------|-----------------|--------|
| BPCM |          |                 | Active |
| IDCM |          |                 | Stored |

### ENVIRONMENTAL DATA SUMMARY

BPCM | | Active | Hybrid/EV Battery "A" Voltage Unstable-



| NAME                                               | VALUE | UNITS   |
|----------------------------------------------------|-------|---------|
| DTC                                                |       |         |
| Test Failed                                        |       |         |
| Test Failed This Operation Cycle                   |       |         |
| Pending DTC                                        |       |         |
| Confirmed DTC                                      |       |         |
| Test Not Completed Since Last Clear                |       |         |
| Test Failed Since Last Clear                       |       |         |
| Test Not Completed This Operation Cycle            |       |         |
| Warning Indicator Requested                        |       |         |
| Occurrence flag                                    |       |         |
| Original Odometer Value                            |       |         |
| Most Recent Odometer Value                         |       |         |
| Frequency Counter                                  |       |         |
| Ignition Cycle Counter                             |       |         |
| FoM - for this DTC (lifetime fails)                |       |         |
| FoM - for this DTC (lifetime fails counts on pass) |       |         |
| FoM - for this DTC (lifetime longest fail on pass) |       |         |
| Battery Total Time Awake                           |       |         |
| Key in Ignition                                    |       |         |
| EPT-WakeUp                                         |       |         |
| HCP Contactor Command                              |       |         |
| Contactor Status                                   |       |         |
| Plug in Status                                     |       |         |
| Balance Mode                                       |       |         |
| Vehicle Speed                                      |       |         |
| System ( ) Volts at time of fault                  |       |         |
| Battery Lifetime s of Charge                       |       |         |
| Battery Lifetime s of DisCharge                    |       |         |
| HVIL Status -Vehicle                               |       |         |
| Cycles left to self heal                           |       | No Unit |
| HV Battery Charge Power 2sec                       |       |         |
| HV Battery Charge Power                            |       |         |
| HV Battery Discharge Power 2sec                    |       |         |
| HV Battery Discharge Power 10sec                   |       |         |
| Key - DriveRdy (CAN)                               |       |         |
| Battery Lifetime Number Of Closes                  |       |         |
| Battery Full Capacity                              |       |         |
| Battery Cell Voltage Maximum                       |       |         |
| Battery Cell Voltage Minimum                       |       |         |
| Battery Cell Voltage Average                       |       |         |
| Battery Temperature Maximum Module                 |       | °F      |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA) 552 (B) (6)



|                                             |  |           |
|---------------------------------------------|--|-----------|
| Battery Temperature Minimum Module          |  |           |
| Battery Temperature Average Module          |  | °F        |
| DTC Extended Data Record Number - All       |  |           |
| DTC Extended Data Record Number - 2         |  |           |
| HV Battery Charge Power                     |  | watts     |
| HV Battery Discharge Power                  |  | watts     |
| Key Position                                |  |           |
| SOC                                         |  | %         |
| HV Bat SOH-R                                |  | %         |
| HV Bat SOH-L                                |  | %         |
| Cell Impedance Max Discharge                |  |           |
|                                             |  |           |
|                                             |  |           |
|                                             |  |           |
|                                             |  |           |
|                                             |  | %         |
| HVIL PWM Frequency source - Vehicle         |  | Hz        |
| HVIL PWM Frequency Sink - Vehicle           |  | Hz        |
| HVIL PWM Frequency Source - Battery         |  | Hz        |
| HVIL PWM Frequency Sink - Battery           |  | Hz        |
| HVIL Returned current - Vehicle             |  |           |
|                                             |  |           |
|                                             |  |           |
| Battery Cell Lowest Cell number             |  |           |
| HV Battery Current Sensor Primary           |  | Amps      |
| HV Battery Current Sensor Secondary         |  | Amps      |
| HV Battery Current HVBatCrnt                |  | Amps      |
| HV Battery Voltage (cell sum)               |  | Volts     |
| HV Battery Voltage (Module Sum)             |  | Volts     |
| Battery Temperature Highest Sensor number   |  |           |
| Battery Temperature Lowest Sensor number    |  |           |
| HV Cooling Battery coolant inlet temp       |  |           |
|                                             |  | °F        |
| BPCM temperature max                        |  |           |
|                                             |  |           |
|                                             |  |           |
|                                             |  | Mega Ohms |
| Vehicle Isolation Impedance (Negative side) |  | Mega Ohms |
| Vehicle Isolation Impedance (Equivalent)    |  | Mega Ohms |
| Battery Isolation Impedance (Positive side) |  | Mega Ohms |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                                                    |     |           |
|--------------------------------------------------------------------|-----|-----------|
| Battery Isolation Impedance (Negative side)                        |     | Mega Ohms |
| Battery Isolation Impedance (Equivalent)                           |     | Mega Ohms |
| Engine Speed                                                       |     | rpm       |
| Accelerator position                                               |     | %         |
| GPS Date - Year                                                    |     | Year      |
| GPS Date - Month                                                   |     |           |
| GPS Date - Day                                                     |     | Days      |
| UTC Time - Hours                                                   |     | Hours     |
| UTC Time - Minutes                                                 |     |           |
| UTC Time - Seconds                                                 |     |           |
| HCP - System Shutdown Command (CAN)                                |     |           |
| HCP - ePT LOG Diagnostics Enable (CAN)                             |     |           |
| HCP - Propulsion system active (CAN)                               |     |           |
| HV Sensor- Pack Voltage (U BAT P - U BAT M)                        |     | Volts     |
| HV Sensor - DC Link Voltage (U DC LINK)                            |     | Volts     |
| HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK    |     | Volts     |
| OBCM Fuse Voltage (U MAIN P - U AUX FUSE)                          |     | Volts     |
| APM Fuse Voltage (U MAIN P - U AUX REL)                            | 0.0 | Volts     |
| HV Sensor - Battery Voltage - Positive contactor (U BAT P)         |     | Volts     |
| HV Sensor - Battery Voltage - Negative contactor (U BAT M)         |     | Volts     |
| HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P) |     | Volts     |
| HV Sensor - Weld Contactor Voltage - Negative contactor (U MAIN M) |     | Volts     |
| HV Sensor - U AUX FUSE                                             |     | Volts     |
| HV Battery Total Amp Hour Capacity (CAN)                           |     | AHr       |
| HV Battery - Pack Isolation state (CAN)                            |     |           |
| HV Battery - Powertrain Isolation state (CAN)                      |     |           |
| HV Sensor - Pack Voltage VALIDITY (CAN)                            |     |           |
| HV Battery Total Amp Hour Capacity VALIDITY (CAN)                  |     |           |
| - MCU Reset Counter                                                |     |           |
| - RAM Reset Counter                                                |     |           |
| - ROM Reset Counter                                                |     |           |
| - Hall current sensor supply voltage ( )                           |     | Volts     |
| - Precharge Penalty Timer (CAN)                                    |     |           |
| - RTC Circuit Status                                               |     |           |
| - HVBat Sleep Time                                                 |     |           |
| - System Mode                                                      |     | No Unit   |
| - HV Battery pack contactor request (CAN)                          |     |           |
| - HV Battery Pack contactor Open (CAN)                             |     |           |
| - HV Battery pack Contactor welded and impeded opening (CAN)       |     |           |
| - Crash Indication (CAN)                                           |     |           |
| - Crash Indication VALIDITY (CAN)                                  |     |           |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

11

\_\_\_\_\_

[REDACTED]

114

██████████

[REDACTED]

■■■■■

[REDACTED]

████████████████████

■

■

[REDACTED]

\_\_\_\_\_

■■■■■

114

■■■■■

11

\_\_\_\_\_

**Figure 1**

■■■■■

11

113

---



114



1000

114



114



██████████

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|                                               |             |
|-----------------------------------------------|-------------|
| CSC Diagnostics - CSC #04 Status              | 00 00 00 00 |
| CSC Diagnostics - CSC #05 Status              | 00 00 00 00 |
| CSC Diagnostics - CSC #06 Status              | 00 00 00 00 |
| CSC Diagnostics - CSC #07 Status              | 00 00 00 00 |
| CSC Diagnostics - CSC #08 Status              | 00 00 00 00 |
| CSC Diagnostics - AFE Internal Operation Mode |             |
| Full PWM Duty Cycle sink - Vehicle            |             |
| SBC Status                                    |             |
| Vref UV Flag                                  |             |
| Vref UV State                                 |             |
| SUV count @open                               | 0           |
| SUV count @close                              | 0           |
| count @open                                   | 0           |
| count @close                                  | 0           |
| Pos HSD Feedback Voltage                      |             |
| Pos HSD Feedback Current                      |             |
| Neg HSD Feedback Voltage                      |             |
| Neg HSD Feedback Current                      |             |
| OCM Value Mon Curr Enrg Val                   |             |
| Retention Diagnosis Case                      |             |
| Retention Diagnosis Flag                      |             |
| Retention Diagnosis Status                    |             |

IDCM | Stored | HV Battery System Voltage Low-

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| DTC                                     |       |       |
| Test Failed                             |       |       |
| Test Failed This Operation Cycle        |       |       |
| Pending DTC                             |       |       |
| Confirmed DTC                           |       |       |
| Test Not Completed Since Last Clear     |       |       |
| Test Failed Since Last Clear            |       |       |
| Test Not Completed This Operation Cycle |       |       |
| Warning Indicator Requested             |       |       |
| DTC Extended Data Record Number - All   |       |       |
| Occurrence flag                         |       |       |
| Original Odometer Value                 |       |       |
| Most Recent Odometer Value              |       |       |
| Frequency Counter                       |       |       |
| Ignition Cycle Counter                  |       |       |
| M High Voltage DC Current Set Point     |       |       |
| Low Voltage DC Current Set Point        |       |       |

|                                             |      |
|---------------------------------------------|------|
| Commanded APM Operating Mode                |      |
| APM High Voltage DC Voltage Set Point       |      |
| Low voltage battery voltage from            |      |
| APM Low Voltage DC Voltage Set Point        |      |
| APM Internal Mode                           |      |
| APM Wake Up Status                          |      |
| APM Wake Up Reason                          |      |
| HV Contactor Status                         |      |
| HV Battery Voltage from BPCM                | Volt |
| APM Estimated Power                         |      |
| APM HV side Current Feedback                |      |
| APM LV side Current Feedback                |      |
| APM Operation Mode Status Reported from APM |      |
| APM HV Side Voltage Feedback                |      |
| APM LV Side Voltage Feedback                |      |
| APM Current Limit Mode                      |      |
| APM Power Limit Mode                        |      |
| APM HV Over V Status                        |      |
| APM LV High I Status                        |      |
| APM LV High V Status                        |      |
| APM LV Low V Status                         |      |
| CurrentFailSts_APM                          |      |
| GenericFailSts_APM                          |      |
| APM Derating Mode Status                    |      |
| APM Derating Reason                         |      |
| APM Failure Mode Status                     |      |
| APM Failure Reason                          |      |
| APM Temp                                    | °F   |
| APM Temp Cold Plate                         | °F   |
| APM Temp Two                                | °F   |
| APM Util Pct of DC/DC                       |      |
| APM Derating Power                          |      |
| APM Batt Feed Volt                          |      |
| APM I DC HV Set P Feedback                  |      |
| APM LV I Set P Feedback                     |      |
| APM HV V Set P Feedback                     |      |
| APM V DC LV Set P Feedback                  |      |
| APM Input Power                             |      |
| APM Output Power                            |      |
| APM_CurrentOperTime                         |      |
| APM_TotalOperTime                           |      |
| DTC Extended Data Record Number - Record #2 |      |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

|                                    |  |       |
|------------------------------------|--|-------|
| Status AC Present                  |  |       |
| AC Line Low                        |  |       |
| AC Line High                       |  |       |
| AC Side Current                    |  | Amps  |
| AC Side Volt                       |  | Volts |
| HCP (EVCU) AC Current Max Cal      |  | Amps  |
| HCP (EVCU) Voltage Request         |  | Volts |
| HCP (EVCU) Current Request         |  | AMP   |
| Battery Not Detected               |  |       |
| Battery Voltage Under Min          |  |       |
| Battery Voltage Over Max           |  |       |
| Battery Side Current               |  | Amps  |
| Battery Side Voltage               |  | Volts |
| Charge Current Available           |  | AMP   |
| BPCM HV Battery Contactor Open     |  |       |
| HV OC                              |  |       |
| HV OV                              |  |       |
| SBC Bus Off                        |  |       |
| CANSIP Bus Off                     |  |       |
| HCP (EVCU) HV Current Max Cal      |  | Amps  |
| HCP (EVCU) HV Volt Max Cal         |  | Volt  |
| HCP (EVCU) HV Volt Min Cal         |  | Volt  |
| Temperature 1                      |  | °F    |
| Temperature 2                      |  | °F    |
| Temperature 3                      |  | °F    |
| Temperature 4                      |  | °F    |
| NTC1 OT                            |  |       |
| NTC2 OT                            |  |       |
| NTC3 OT                            |  |       |
| NTC4 OT                            |  |       |
| External M Inlet Temperature (CAN) |  | °F    |
|                                    |  | AMP   |
| S2 Close                           |  |       |
| Stat                               |  |       |
| S2 Status                          |  |       |
| Control Pilot Amplitude            |  | Volts |
| Control Pilot Duty Cycle           |  | %     |
| Control Pilot Frequency            |  | Hz    |
| EVSE Pilot Stat                    |  |       |
| Prox Stat                          |  |       |
| Prox Voltage                       |  | Volt  |
| OBC Charge Time                    |  |       |

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)



INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA) 5 U.S.C. 552 (B) (6)

[REDACTED] of [REDACTED]

|                                               |               |
|-----------------------------------------------|---------------|
| [REDACTED] Charge Tml                         | [REDACTED]    |
| [REDACTED] Idle Time                          | 0 [REDACTED]  |
| [REDACTED] C Idle Tml                         | 0 [REDACTED]  |
| Watt-[REDACTED] of AC Power                   | [REDACTED]    |
| [REDACTED] of Charge the HV Bus               | [REDACTED]    |
| [REDACTED] M Mode                             | [REDACTED]    |
| [REDACTED] M Charger Ready                    | [REDACTED]    |
| [REDACTED] M VU Status                        | [REDACTED]    |
| Charge Enable Status                          | [REDACTED]    |
| [REDACTED] ([REDACTED]) Shutdown Command      | [REDACTED]    |
| [REDACTED] ([REDACTED]) Enable Charge Command | [REDACTED]    |
| [REDACTED] ([REDACTED]) Mode Request          | [REDACTED]    |
| Generic Fail Sts                              | [REDACTED]    |
| Chrg Fail Sts                                 | [REDACTED]    |
| [REDACTED] M Wake Up Reason                   | [REDACTED]    |
| [REDACTED] Control Mth                        | [REDACTED]    |
| [REDACTED] CM Deraing Reason                  | [REDACTED]    |
| Close Chrgr Cntctr                            | [REDACTED]    |
| Chrg Cntctr Stat                              | [REDACTED]    |
| Chrg Mode                                     | [REDACTED]    |
| [REDACTED] M Fault Reason                     | [REDACTED]    |
| EPT LOC Diag Enable                           | [REDACTED]    |
| [REDACTED] Shutdown Command                   | [REDACTED]    |
| HV Battey Contactor Open                      | [REDACTED]    |
| BPCM Request for HV Contactor                 | [REDACTED]    |
| HV Contactor Status                           | [REDACTED]    |
| Ignition on Time for DTC                      | [REDACTED]    |
| Module A Primary - PFC Temperature            | [REDACTED] °F |
| Module A Primary - LLC Temperature            | [REDACTED] °F |
| Module A Secondary - Buck Temperature         | [REDACTED] °F |
| Module A Secondary - Ambient Temperature      | [REDACTED] °F |
| Module A Primary - AC Side Volt               | [REDACTED]    |
| Module A Primary - AC Side Current            | [REDACTED]    |
| Module A Secondary - Battery Side Voltage     | [REDACTED]    |
| Module A Secondary - Battery Side Current     | [REDACTED]    |
| Module A Secondary - Buck Output Voltage      | [REDACTED]    |
| Module B Primary - PFC Temperature            | [REDACTED] °F |
| Module B Primary - LLC Temperature            | [REDACTED] °F |
| Module B Secondary - Buck Temperature         | [REDACTED] °F |
| Module B Secondary - Ambient Temperature      | [REDACTED] °F |
| Module B Primary - AC Side Volt               | [REDACTED]    |
| Module B Primary - AC Side Current            | [REDACTED]    |

|                                             |     |       |
|---------------------------------------------|-----|-------|
| - Battery Side Voltage                      |     | Volts |
| Module B - Battery Side Current             |     | Amps  |
| - Buck Output Voltage                       | 0.0 | Volts |
| - HV Over Voltage Protect                   |     |       |
| - Aux Over Voltage Protect                  |     |       |
| M - LV Aux Under Voltage Protect            |     |       |
| - Over Voltage Protect                      |     |       |
| - Under Voltage Protect                     |     |       |
| - Over Voltage Protect                      |     |       |
| M - Under Voltage Protect                   |     |       |
| M - Battery Under Voltage Protect           |     |       |
| M - Battery Over Voltage Protect            |     |       |
| - AC Under Voltage Protect                  |     |       |
| - AC Over Voltage Protect                   |     |       |
| - AC Over Current Protect                   |     |       |
| - HV Voltage Over MaxCal Protect            |     |       |
| - HV Over Current Protect                   |     |       |
| - Power Stage Over Voltage Protect          |     |       |
| - Internal Memory Fault                     |     |       |
| M - Over Temperature Protect                |     |       |
| - HCP Loss of Communication Protect         |     |       |
| - CAN Bus Off                               |     |       |
| M - Pilot Duty Fault                        |     |       |
| - Loss BPCM Communication Protect           |     |       |
| M - Prox Range To Low                       |     |       |
| M - Prox Range To High                      |     |       |
| - HV Voltage Under MinCal Protect           |     |       |
| - SPI Communication Fault                   |     |       |
| - WakeUp Output Stuck Low                   |     |       |
| M - Pilot Short To Battery                  |     |       |
| - WakeUp Output Stuck High                  |     |       |
| - ORC Loss of Communication                 |     |       |
| M - HV Battery Not Contact                  |     |       |
| - Loss Communication Protect                |     |       |
| - Receive HV Battery Contact Open From BPCM |     |       |
| - Aux Over Voltage Protect                  |     |       |
| M - Aux Under Voltage Protect               |     |       |
| M - Primary Aux Over Voltage Protect        |     |       |
| - Primary Aux Under Voltage Protect         |     |       |
| - Stuck Shutdown                            |     |       |
| M - Cycle Shutdown                          |     |       |
| M - HV Under Voltage Protect                |     |       |

INFORMATION RELEASED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

OBCM - Vehicle Impact

INFORMATION REQUESTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)



[REDACTED] Primary - PFC Over Voltage Protect

INFORMATION NOT AVAILABLE PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

- PFC High Temperature Derating

Year

Days

Hours

seconds

ms

### SNAPSHOT DATA SUMMARY

No Snapshot Data available for

No Snapshot Data available for